

What is claimed is:

1. Novel crystalline Form-II of Nevirapine.
2. The crystalline Form-II of Nevirapine according to claim 1 comprising the following X-ray powder diffraction pattern: (2-theta values in degrees) of about 9.51, 12.84, 13.287, 13.706, 15.636, 16.974, 17.473, 19.258, 20.56, 21.03, 22.842, 23.445, 23.996, 25.317, 25.752, 26.904, 27.432, 27.93, 28.459, 29.063, 29.97, 31.369, 32.072, 33.13, 34.176 and 35.139 degrees two theta.
3. The crystalline Form-II of Nevirapine according to claim 1 having an X-ray powder diffraction pattern substantially as depicted in Figure 1.
4. A process for the preparation of novel crystalline Form-II of Nevirapine, which comprises the steps of:
 - (i) dissolving crude Nevirapine in a solvent selected from aromatic hydrocarbon solvents, alcohol, ketone solvents or mixtures thereof to obtain a reaction solution;
 - (ii) optionally treating the reaction solution with carbon;
 - (iii) optionally distilling the solvent from the reaction solution of step (ii) to a minimum volume to form a reaction mass;
 - (iv) cooling the reaction mass to a temperature of 0-35°C, accompanied by stirring the reaction mass until a solid precipitates;
 - (v) filtering the solid from step (iv);
 - (vi) optionally washing the solid obtained in step (v);
 - (vii) drying the solid of step (vi) at a temperature of 30-90°C to obtain the crystalline Form-II of Nevirapine.
5. The process according to claim 4 where the aromatic hydrocarbon solvent is selected from benzene, toluene, ethylbenzene or xylene.
6. The process according to claim 5 where the aromatic hydrocarbon is toluene.
7. The process according to claim 4 where the alcohol is n-butanol.
8. The process according to claim 4 where the ketone solvent is methyl iso butyl ketone.
9. The process according to claim 4 wherein the optionally distilling step (iii) occurs in a vacuum.

10. Novel crystalline Form-III of Nevirapine.
11. The crystalline Form-III of Nevirapine according to claim 10 which has the following X-ray powder diffraction pattern: (2-theta value in degrees) of about 9.264, 11.202, 12.657, 13.072, 13.468, 14.077, 15.412, 15.705, 16.736, 17.217, 19.027, 19.846, 20.376, 20.754, 21.289, 22.805, 23.218, 23.688, 24.024, 24.537, 25.09, 25.509, 26.47, 26.663, 27.217, 27.674, 28.342, 28.824, 29.216, 29.718, 32.89, 33.904, 37.192 and 38.082 degrees two theta.
12. The crystalline Form-III of Nevirapine according to claim 10 having an X-ray powder diffraction pattern substantially as depicted in Figure 2.
13. A process for the preparation of crystalline Form-III of Nevirapine, which comprises the steps of:
 - (i) dissolving crude Nevirapine in a halo solvent selected from chloroform, dichloromethane or dichloroethane at a reflux temperature of the halo solvent to form a reaction solution;
 - (ii) optionally treating the reaction solution with carbon;
 - (iii) adding a second halo solvent to the reaction solution until a solid precipitates;
 - (iv) filtering the solid from step (iii);
 - (v) optionally washing the solid from step (iv);
 - (vi) drying the solid of step (v) at a temperature of 30-90°C to obtain the crystalline Form-III of Nevirapine.
14. The process according to claim 13 wherein the halo solvent of step (i) is chloroform.
15. The process according to claim 13 wherein the halo solvent of step (iii) is dichloroethane.